

Attorney Docket No. 920276D2C/LH

**THE UNITED STATES PATENT
AND TRADEMARK OFFICE**

Applicant(s): Minoru USUI et al

Serial No. : 08/892,482

Filed : July 14, 1997

For : IMAGE DISPLAY
APPARATUS

Art Unit : 2415

Examiner :

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents
Washington, D.C. 20231

S I R :

"Express Mail Mailing Label

No.: EM 013 058 242 US

Date of Deposit: October 28, 1997

I hereby certify that this paper is
being deposited with the United States
Postal Service "Express Mail Post Office
to Addressee" service under 37 CFR 1.10
on the date indicated above and is
addressed to the Assistant Commissioner
of Patents, Washington, D.C. 20231

Cheryl Schoenfeld
Cheryl Schoenfeld

In the event that this Paper is late
filed, and the necessary petition for
extension of time is not filed
concurrently herewith, please consider
this as a Petition for the requisite
extension of time, and to the extent not
tendered by check attached hereto,
authorization to charge the extension
fee to Account No. 06-1378.

Submitted herewith are copies of two publications which are
identified on the attached form PTO-1449. These two publications
were cited in a Japanese Office Action dated August 5, 1997
issued in the corresponding basic Japanese Application No.
3-140269 (the priority of which is claimed in the present
application).

It is respectfully requested that the Examiner return an
initialled copy of the PTO-1449, listing the particulars of the
two cited Japanese publications, to confirm that the Japanese
publications have been considered and made of record.

DISCUSSION OF JAPANESE REFERENCES

An English language Abstract is provided for Japanese 3-126069. It is respectfully submitted that the Abstract constitutes an explanation of relevance of Japanese 3-126069.

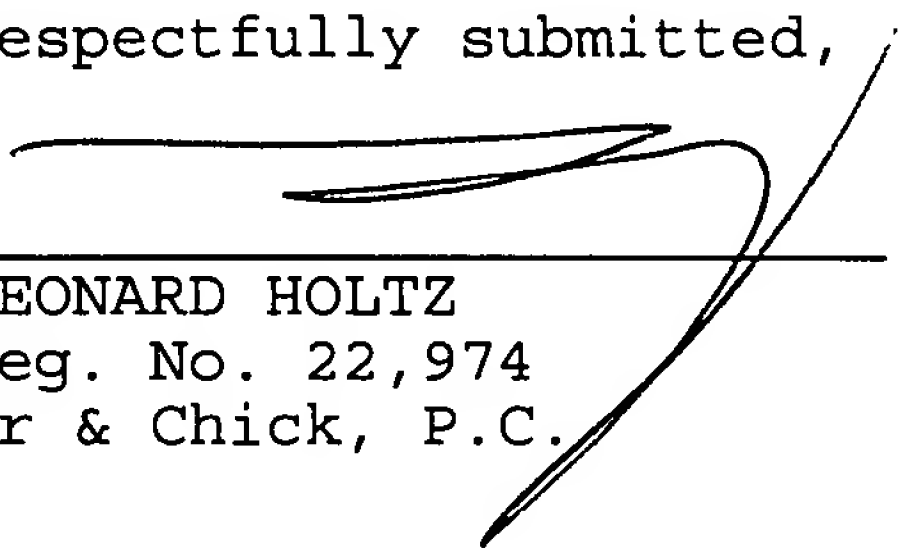
Statement of Relevancy (JPN UM APPLN KOKAI
PUBLICATION NO. 2-113476

In a liquid crystal display apparatus for effecting gradation display, the liquid crystal is slow in response speed and, when there occurs a display data gradation variation, a gradation display variation is slow to follow on the liquid crystal display apparatus. The invention of JPN 2-113476 is directed to solving this problem. To achieve this, in JPN 2-113476, a comparison is made between the gradation data of a current frame and the one-frame-previous gradation data. If the gradation data of the current frame is greater than the one-frame-previous gradation data, a maximum value of the gradation data is output to be applied to the liquid crystal display apparatus. If, on the other hand, the gradation data of the current frame is smaller than the one-frame-previous data, a minimum value of the gradation data is output to be applied to the liquid crystal display apparatus. By doing so, the gradation variation is enhanced and a rapid speed response is made to the gradation display variation on the liquid crystal display apparatus of JPN 2-113476.

In JPN UM APPLN KOKAI PUBLICATION No. 2-113476, a comparison is made between the gradation data of the current frame and the one-frame-previous gradation data to produce a maximum gradation value or a minimum gradation value. In the present invention, on the other hand, a table is initially prepared for storing gradation data, and given gradation data is determined by the gradation data of a current frame and that of a previous frame and read out from the table so that it is applied to a liquid crystal display apparatus. No mention or suggestion is made in JPN UM APPLN KOKAI PUBLICATION No. 2-11347G, of the present inventive concept of initially storing gradation data, as gradation variation enhancing data, in a table.

In view of the above, it is respectfully requested that the Examiner consider the publications submitted herewith, and return an initialled copy of the attached form PTO-1449 to confirm that the publications listed therein have been considered and made of record.

Respectfully submitted,


LEONARD HOLTZ
Reg. No. 22,974

Frishauf, Holtz, Goodman, Langer & Chick, P.C.
767 Third Avenue - 25th Floor
New York, New York 10017-2023
(212) 319-4900
Fax No. (212) 319-5101
LH/css

Enc. - form PTO-1449 and references cited therein.